GOVERNMENT OF INDIA
PETROLEUM AND NATURAL GAS
LOK SABHA

UNSTARRED QUESTION NO:1911
ANSWERED ON:28.11.2016
Setting up of Refineries
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Will the Minister of PETROLEUM AND NATURAL GAS be pleased to state:

(a) whether the Government/OMCs propose to set up mega/sea-shore refineries/petrochemical plants in the country and if so, the details thereof along with places identified for the purpose, OMC/State/UT-wise including Andhra Pradesh;
(b) the details of existing refineries/petrochemical units at present along with their installed capacity/utilisation and steps taken by the Government for their optimum utilisation, OMC and refinery and State/UT-wise;
(c) whether the Government proposes to undertake modernisation/ upgradation of the oil refineries across the country and to equip them with latest technology being used at international level for minimising emissions of sulphur dioxide in view of the growing pollution by refineries in the country; and
(d) if so, the details thereof including the funds earmarked, targets set for expansion of refiner capacity, State/UT/Oil Marketing Company (OMC)- wise including Bharat Oman Refinery Limited (BORL)?

Answer

MINISTER OF STATE IN THE MINISTRY OF PETROLEUM AND NATURAL GAS (SHRI DHARMENDRA PRADHAN)
(a): The refinery sector in the country is de-licensed and Oil Public Sector Undertakings (PSUs) take appropriate decisions to implement new refinery projects and also to expand and modernize the existing Refineries.
Government has accorded approval on 20.09.2013 to Hindustan Petroleum Corporation Ltd. (HPCL) to set up a 9 MMTPA Refinery-cum-Petrochemical Complex in Barmer, Rajasthan in collaboration with Government of Rajasthan (GoR). Further, Oil PSUs namely, Indian Oil Corporation Limited (IOCL), Bharat Petroleum Corporation Limited (BPCL) and Hindustan Petroleum Corporation Limited (HPCL) have proposed to jointly set up in phased manner an integrated refinery-cum-petrochemical complex with a refining capacity of 60 MMTPA in Maharashtra.
(b): List of existing Refineries/Petrochemical Plants along with their installed capacity in the Country during 2015-16 is at Annexure-I. PSU Refineries in India have been achieving average capacity utilization of above 100%.
(c) & (d): Indian Refineries have adopted modern technologies for production of petroleum products and continuously upgrade the technologies in line with their requirements and international trends.
The major modern process technologies employed by PSU refineries for producing petroleum products include:-
i) Secondary/Upgradation Technologies for yield improvement:
â€¢Thermal cracking processes, viz., Visbreaking, Delayed Coking.
â€¢Fluidised Catalytic Cracking, INDMAX Technology.
â€¢Hydrocracking.
ii) Quality Upgradation Technologies:
â€¢Catalytic Reforming, Isomerisation, Alkylation, Prime G for meeting the quality specifications of Petrol w.r.t. octane number, benzene content, aromatics, olefins, sulphur, distillation etc.
â€¢Diesel Hydro-desulphurisation (DHDS), Diesel Hydro-treating (DHDT) for diesel for reduction of sulphur & PAH (Poly Aromatic Hydrocarbons) and cetane number improvement.
Further, Sulphur dioxide emissions from refineries are highly regulated and monitored by pollution control Board. To meet these stringent norms for sulphur dioxide emissions, refineries use low sulphur fuels and have also upgraded Sulphur Recovery Units (SRU) and installed Tail gas treating unit for 99.99% sulphur recovery from the gases that are generated during processing in line with the international practices.
The details of capacity expansion/ modernization/upgradation plan of Oil PSU refineries are given at Annexure-II.